$$\begin{array}{c|c}
R_3 & R_2 & O & R_7 \\
R_4 & R_6 & R_1 & N & O
\end{array}$$

$$(IA)$$

 R_3 R_4 R_5 R_6 R_1 R_7 R_7 R_7 R_8 R_1 R_8 R_9 R_9

wherein:

 R_1 is -H, -NH₂, or -OH;

R₂, R₃, R₄, R₅, and R₆ are each independently selected from the group consisting of H, halogen, hydroxyl, alkyl, alkylhydroxy, alkoxy, or phenyl;

or a pair of R_2 and R_3 , R_3 and R_4 , R_4 and R_5 , and R_5 and R_6 together are –(CH)₄- to form a naphthyl group;

R₇ is H, alkyl, phenyl, alkylphenyl, or alkylcarboxy; and

A is selected from the group consisting of:

$$N$$
, N , N , and R_8 , R_8 , R_8

wherein R₈ is H, alkylhydroxy, or carboxy;

wherein at least one of R₇ and R₈ is carboxy or alkylcarboxy;

and wherein, when R₁ is -NH₂, then one of R₇ or R₈ is not carboxy or alkylcarboxy.